



GROW THE FUTURE OF MATERIALS

## Animal leather has reached a limit



Slow Material for a Creative Industry Long time to market and not positioned for innovation



**Unscalable Supply Chain** Quality, quantity and availability are not predictable



### Limited Production

Production constraints due to leather being a by-product of cattle



Massive Carbon Footprint 125 kg/m^2 is the highest in the textile industry



### Inferior Plastic Alternatives

Plastic "vegan leathers" do not meet consumer demand for both quality and environmental responsibility



### Sustainable Options Lack Performance

Plant-based "leathers" don't offer the same quality, aesthetics and performance as animal leather

# MycoWorks is growing the future of materials



Leather has reached a limit



Mycelium is the key to expanding the market



MycoWorks' patented Fine Mycelium™ technology is the highest-performance mycelium in the world



## Reishi™ is Fine Mycelium™

LVMH

Our flagship product is Reishi, a premium, natural material that compares in quality and performance to the finest animal leathers. Made from MycoWorks' proprietary Fine Mycelium technology, Reishi is transforming the fashion/industry.

– 5 LVMH

### MycoWorks

## Fine Mycelium<sup>™</sup> is a platform for designers and creators

Fully customizable, Fine Mycelium allows designers to specify properties that are not achievable with animal or synthetic leathers (thickness, weight, softness, drape, tensile strength, and more).



### – 6 LVMH

### MycoWorks

## Fine Mycelium<sup>™</sup> is a new category of material

The only made-to-order natural material, Fine Mycelium is far more than a "sustainable" option for leather. Fine Mycelium is a materials science and biotechnology breakthrough that offers designers total creative control.



## The first biomaterial that matches leather in quality

Reishi<sup>™</sup> by MycoWorks is the first option for leather to achieve the feel and durability of cowhide. Fine Mycelium<sup>™</sup> materials outperform both plastic "vegan leathers" and plant- and bio-based leather alternatives.



- 7 LVME

## The next evolution in mycelium

Unlike "mushroom leather," Fine Mycelium™ engineers an interlocking, cellular structure that delivers inherent strength and durability.

### Our Competitors: "Mushroom Leather"

Uneven, uncontrolled growth leads to low yield of usable material despite large nameplate quantities.



(food, i.e., wood chips)

### 01 Growth Mycelium cells grow

vertically as a foam in a low density structure

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02 Result

Mycelium sheet are compressed, resulting in a fundamentally weak, uneven structure MycoWorks' patented structure & process:

### Fine Mycelium™

VS

Highly controlled enclosed-tray-based growth leads to uniform mycelium with high yield. 10-100x increase in strength over "mushroom leather."

### 01 Growth

Mycelium cells grow densely intertwined with our proprietary fermentation process

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### 02 Result

Perfectly uniform Fine Mycelium sheet is harvested without the need for cutting or compressing

### – 9 LVMH

## Peak performance, lower impact

Fine Mycelium<sup>™</sup> aligns with consumers' growing demand for greater transparency and sustainability without compromising quality, performance or aesthetics.

- $\cdot$  10x reduction in carbon footprint
- $\cdot$  Huge reduction in waste
- · Chromium-free tanning
- · Biodegradable and recyclable





## Join us to grow the future of materials.



Thank you.